18. How electronic warfare is used in attacks as well as in defence planning.

19. How Ada was fascinated by plans for the analytical engine.

20. Explicate the format of PPT with illustrations.

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APRIL/MAY 2025

# FPE20C/CPE20C — PROFESSIONAL ENGLISH FOR PHYSICAL SCIENCES

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is the grammatical competence?

2. What is sociolinguistic competence?

3. Define Astronomy.

4. Define Ancedote.

5. What is the meaning of jargon and obscene?

6. Define the Digital literacy.

7. What are acids and bases?

8. Who is fascinated by the plans of the analytical engine?

9. What is meant by chatbot?

10. Who is Alexa?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the everyday nature of chemical sciences.

Or

(b) Explain the definition for the following words.

(i) Combustion-

(ii) Dwelling-

(iii) Asphyxiation-

(iv) Liberated-

(v) Odour-

12. (a) How did Lavoisier devise a better form of gunpowder?

Or

(b) Explain the following words with examples.

(i) Fitness tracker-

(ii) Accelerometer-

(iii) Polysomnography-

(iv) Gyroscope-

(v) Actigraphy-



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13. (a) Explore how Phosgene was used in World War I.

Or

(b) Expound the software localization.

14. (a) Explain the chemical process of baking soda combination.

Or

(b) Explicate the history of the invention of barcodes.

15. (a) Explain the importance of effective product descriptions.

Or

(b) Expound the format of a circular.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write the summary of the passage "Calculus Can Save Life'.

17. Explain the functions of fitness trackers.